PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yoshikazu TAKAHASHI	08/23/2010

RECEIVING PARTY DATA

Name:	BROTHER KOGYO KABUSHIKI KAISHA				
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State/Country:	JAPAN				
Postal Code:	467-8561				

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	12872410		

CORRESPONDENCE DATA

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NAME OF SUBMITTER: Paul J. Esatto, Jr.

Total Attachments: 1

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PATENT REEL: 024917 FRAME: 0910

ASSIGNMENT

		(1)	Yoshikazu	TAKAHASHI	(5)	
(1-8)	Insert	(2)			(6)	
	Name(s) of Inventor(s)	(3)			(7)	
		(4)			(8)	
						and valuable considerations paid to ereby does assign, transfer and set
(9)	Insert Name of Assignee	(9)	BROTHER KOGYO KABUSHIKI KAISHA			
(10) Insert Address	Insert Address of Assignee	Address	15-1 Naesh	iro-cho, Mizuho-ku	, Nagoya-shi, Aichi-kei	n, 467-8561 Japan
•			(hereinafter desi as defined in 39 provisional, non-	gnated as the Assignee) 5 U.S.C. §100, in the in provisional, divisional, co	the entire right, title and inter vention, and in all applicatio ontinuation, substitute, and re	est for the United States of America ons for patent including any and all eissue application(s), and all Letters a granted on the invention known as
(11) Insert Identification		(11)	PIEZOELE	CTRIC ACTUATOR	R AND LIQUID DISCHA	RGE APPARATUS
	of Invention such as Title, Case		PROVIDED	WITH THE SAME	The state of the s	
	Number, or Foreign Application Number		(Attorney Dock	et No. 2657	5)
			for which the un-	dersigned has (have) exe	cuted an application for pater	t in the United States of America
(12)	Insert Date of Signing of Application	(12)	on	Aug. 23,	20/0	
(13)	Alternative (13) U.S. application Serial Number Identification for filed applications filed					
application any approximate Assigner claims or reexamm States full righ herewith further	applications for the inions and patents as the 2). The undersigned olication or continuation in every way possible 3. The undersigned or provisions of the Interest of the Union and the	nventione Assat agreed nor displement of displement of agreed agreed in the religion of the rest of th	on, and any pater ignees may deem e(s) to execute all vision thereof, or a btaining evidence e(s) to execute all onal Convention for e(s) to perform a ted States patent by authorize(s) an on(s) to the said A therein assigned by grant(s) the fil	nt(s) issuing thereon, and necessary. I papers necessary in co any patent or reissue appers and going forward with some protection of Industrial all affirmative acts which to the Assignee, as Assignee of , and that he has (they harm of Scully, Scott, Muricial and Scully, Scott, Mu	d also to execute separate a nnection with any interference lication based thereon, for the uch interference. and perform any act which reporty or similar agreemen may be necessary to obtain sioner of Patents to issue any the entire interest, and herebave) not executed, and will no rephy & Presser, PC the pour policion of the policy and the policy of the policy and the policy of the policy o	on and any continuing, divisional or ssignments in connection with such e which may be declared concerning invention, and to cooperate with the may be necessary in connection with its. In, maintain or confirm by reissue or y and all Letters Patents of the United by covenants that he has (they have) it execute, any agreements in conflict wer to insert on this assignment any ates Patent and Trademark Office for
	In witness whereof	, exec	uted by the unde	ersigned on the date(s)	opposite the undersigned n	ame(s).
Dat	e <u>Aug</u> .	23	, 2010	Name of Inventor	Yoshikazu ?	Jahahashi (SEAL)
Dat	е	,		Name of Inventor		(SEAL)
Dat	e			Name of Inventor		(SEAL)
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Dat	e			Name of Inventor		(SEAL)
Dal	te			Name of Inventor		(SEAL)

RECORDED: 08/31/2010

PATENT REEL: 024917 FRAME: 0911